from flask import Flask, render\_template, request, redirect, session

import hashlib

app = Flask(\_\_name\_\_)

app.secret\_key = "supersecretkey"

# User database (in real-world application, this should be replaced with a proper database)

users = {}

@app.route('/')

def home():

if 'username' in session:

return render\_template('dashboard.html', username=session['username'], speed=session['speed'])

return redirect('/login')

@app.route('/register', methods=['GET', 'POST'])

def register():

if request.method == 'POST':

username = request.form['username']

password = hashlib.sha256(request.form['password'].encode()).hexdigest()

speed = request.form['speed']

if username in users:

return "User already exists! Please choose a different username."

users[username] = {'password': password, 'speed': speed}

return redirect('/login')

return render\_template('register.html')

@app.route('/login', methods=['GET', 'POST'])

def login():

if request.method == 'POST':

username = request.form['username']

password = hashlib.sha256(request.form['password'].encode()).hexdigest()

if username in users and users[username]['password'] == password:

session['username'] = username

session['speed'] = users[username]['speed']

return redirect('/')

else:

return "Invalid username or password. Please try again."

return render\_template('login.html')

@app.route('/logout')

def logout():

session.pop('username', None)

return redirect('/')

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

<!DOCTYPE html>

<html>

<head>

<title>Registration</title>

</head>

<body>

<h2>Registration</h2>

<form method="post" action="/register">

<label>Username:</label><br>

<input type="text" name="username" required><br>

<label>Password:</label><br>

<input type="password" name="password" required><br>

<label>Speed:</label><br>

<input type="number" name="speed" required><br>

<button type="submit">Register</button>

</form>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<title>Login</title>

</head>

<body>

<h2>Login</h2>

<form method="post" action="/login">

<label>Username:</label><br>

<input type="text" name="username" required><br>

<label>Password:</label><br>

<input type="password" name="password" required><br>

<button type="submit">Login</button>

</form>

</body>

</html>

<!DOCTYPE html>

<html>

<head>

<title>Dashboard</title>

</head>

<body>

<h2>Welcome, {{ username }}</h2>

<p>Your speed: {{ speed }}</p>

<a href="/logout">Logout</a>

</body>

</html>